

**5th Street Improvements Project  
Key Design Factor Scoring Analysis  
March 4th, 2010  
As Determined by Using Design Team Scoring And Weight Factors**

Key Design Factors	Weighted Factor <sup>1</sup>	No Build Alternative		Alternative 1 5th Street 2-way		Alternative 2 5th/3rd Couplet	
		Des. Team Score <sup>2</sup>	Weighted Score <sup>3</sup>	Des. Team Score <sup>2</sup>	Weighted Score <sup>3</sup>	Des. Team Score <sup>2</sup>	Weighted Score <sup>3</sup>
Traffic Congestion (System) <sup>4</sup>	38.00	1.00	38.00	3.00	114.00	3.00	114.00
Pedestrian Safety	19.00	2.00	38.00	3.00	57.00	3.00	57.00
Project Cost	9.00	3.00	27.00	2.00	18.00	1.00	9.00
Vehicle Access	5.00	1.00	5.00	3.00	15.00	2.00	10.00
Emergency Response Access	5.00	1.00	5.00	3.00	15.00	2.00	10.00
Pedestrian Facilities	4.00	1.00	4.00	2.00	8.00	3.00	12.00
Parking	4.00	1.00	4.00	2.00	8.00	3.00	12.00
Private Property Impacts	4.00	3.00	12.00	2.00	8.00	1.00	4.00
Street Lighting	2.00	1.00	2.00	3.00	6.00	3.00	6.00
Stormwater Management	2.00	1.00	2.00	2.00	4.00	2.00	4.00
Bicycle Access	2.00	2.00	4.00	3.00	6.00	1.00	2.00
Vehicle Speed	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Preservation of Existing Features Within Public Right-of-Way (Trees, Yards, etc.)	1.00	3.00	3.00	1.00	1.00	2.00	2.00
Yew Street Connection	1.00	1.00	1.00	2.00	2.00	3.00	3.00
Landscaping	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Temporary Construction Impacts	1.00	3.00	3.00	1.00	1.00	1.00	1.00
Transit Access	1.00	1.00	1.00	3.00	3.00	2.00	2.00
Air Quality	0.00	3.00	0.00	2.00	0.00	2.00	0.00
Noise	0.00	2.00	0.00	1.00	0.00	1.00	0.00
Crime	0.00	1.00	0.00	2.00	0.00	2.00	0.00
Property Value	0.00	1.00	0.00	2.00	0.00	2.00	0.00
Utility Impacts	0.00	3.00	0.00	2.00	0.00	2.00	0.00
<b>Total Weighted Score<sup>4</sup></b>		39.00	153.00	48.00	<b>270.00</b>	45.00	252.00

<sup>1</sup> Weighted factor as determined by the design team.

<sup>2</sup> The design factor score was determined by assigning a value of 3 for each "best" option; 2 for each "Good" option; and 1 for each "Bad" option.

<sup>3</sup> Weighted score = "Weighted Factor" multiplied by the "Des. Team Score" (for each key design factor)

<sup>4</sup> Traffic congestion can be viewed on a local (immediate 5th street area) or system wide basis, i.e.. how does an alternative impact 5th Street and how does an alternative impact the city's transportation network. The City's goal is to enhance the transportation network. As such, the weighting factors and scoring were developed with this criteria in mind.